Mouse Glycophorin A / CD235a Protein, Fc,His Tag

Catalog # CDA-M526x

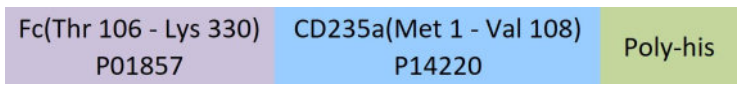
Synonym

CD235a,Glycophorin-A,Gypa

Source

Mouse Glycophorin A, Fc,His Tag (CDA-M526x) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Val 108 (Accession # P14220).

Molecular Characterization



This protein carries a human IgG1 Fc tag at the N-terminus and a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 39.1 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in
Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

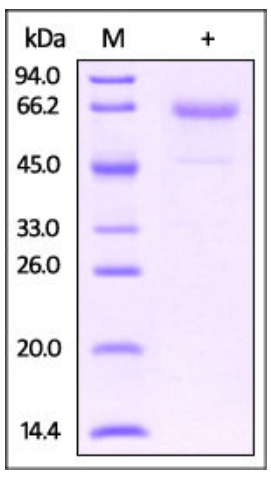
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Mouse Glycophorin A, Fc,His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Background

Glycophorin-A, a member of the glycophorin-A family, is also known as CD235a and Gypa, which is heavily glycosylated on serine and threonine residues at the N-terminal extracellular domain. CD235a,a single-pass type III membrane protein,is the major intrinsic membrane sialoglycoprotein of the erythrocyte. Also,CD235a appears to be important for the function of SLC4A1 and is required for high activity of SLC4A1. Furthermore,CD235a may be involved in translocation of SLC4A1 to the plasma membrane.

References

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.